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Cereal trade in developing countries

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References:

- AHT Int. (1999), *Les flux céréaliers, les stock commerçants et la stratégie des commerçants de céréales au Burkina Faso*, Union Européenne, Ministère de l'Economie et des Finances, Ministère de l'Agriculture, Ouagadougou, Burkina Faso.
- Armah, P.W. (1989), *Post-harvest maize marketing efficiency: the Ghanaian experience*, Ph.D. Thesis, University College of Wales, Aberystwyth.
- Askari, H. and J.T. Cummings (1976), *Agricultural supply response: a survey of the econometric evidence*, Praeger Publishers, New York.
- Bakker, M.J. and G. Konaté, (1988), *La demande alimentaire, la consommation alimentaire et l'état nutritionnel de la population de la Plateau Mossi, Burkina Faso*, Projet CEDRES/AGRISK, Université de Ouagadougou, University of Groningen, The Netherlands.
- Bardhan, P.K. (2000), "Understanding underdevelopment: Challenges for institutional economics from the point of view of poor countries", *Journal of Institutional and Theoretical Economics*, vol. 156, pp. 216-235.
- Bassolet, B. (2000), *Libéralisation du marché céréalier au Burkina Faso: une analyse Néo-institutionnelle de son organisation et de son efficacité temporelle et spatiale*, Ph.D. Thesis, Centre for Development Studies, University of Groningen, The Netherlands.
- Bauer, S. (1989) "Historical review, experiences and perspectives in sector modelling", in: Bauer, S. and W. Henrichsmeyer (Eds.), *Agricultural sector modelling: Proceedings of the 16th symposium of the EAAE, Bonn*, Wissenschaftsverlag Vauk, Kiel.
- Broekhuyse, J.T. (1983), *Rural Mossi economie, Deel I*, KIT, Amsterdam, The Netherlands.
- Broekhuyse, J.T. (1988), *De la survivance à la suffisance; étude des problèmes et des perspectives du développement aboutissant à une idéologie paysanne au Plateau Nord des Mossi*, Projet CEDRES/AGRISK, Université de Ouagadougou, University of Groningen, The Netherlands.
- Broekhuyse, J.T. (1998), *Monografie van de Mossi: Noordelijk plateau – Sanmatenga, Burkina Faso*, KIT, Amsterdam, The Netherlands.
- Brooke, A., D. Kendrick, and A. Meeraus (1992), *GAMS: A user's guide, Release 2.25*, The Scientific Press, South San Francisco, USA.

- Buckwell, A.E. and P.B.R. Hazell (1972), "Implications of aggregation bias for the construction of static and dynamic linear programming supply models", *Journal of Agricultural Economics*, pp. 119-134.
- Clements, K.W. (1980), "A general equilibrium econometric model of an open economy", *International Economic Review*, vol. 21, pp. 469-488.
- Coase, R.H. (1937), "The nature of the firm", *Economica*, vol. 4, pp. 386-405.
- Danagro (1999), *Burkina Faso: Plan d'actions sur les céréales (mil, sorgho, maïs)*, 2000-2010, Ministère des affaires Etrangères du Danemark, Denmark.
- Day, R.H. (1963), "On aggregating linear programming models of production", *Journal of Farm Economics*, vol. 45, pp. 797-813.
- Deaton, A., and J. Muellbauer (1980), "An almost ideal demand system", *American Economic Review*, vol. 70, pp. 312-326.
- Deaton, A., and G. Laroque (1996). "Competitive storage and commodity price dynamics", *Journal of Political Economy*, vol. 104, pp. 896-923.
- Déjou, C. (1987), *Evaluation des systèmes de commercialisation des céréales dans les pays en développement: le cas du Burkina Faso*, Ph.D.Thesis, Université de Clermont I, Faculté des Sciences Economiques, France.
- Deybe, D. and A.S. Robilliard (1996), "Devaluation and food security in the Franc Zone: the case of Burkina Faso", Doc. de Travail, no. 25, CIRAD-URPA, Paris, France.
- Deybe, D. (2001), "Effects of economic policies on farmers, consumers, and soil degradation: a recursively dynamic sector model with an application for Burkina Faso", in: Heerink, N., H. Van Keulen, and M. Kuiper (Eds.), *Economic policy and sustainable land use: Recent advances in quantitative analysis for developing countries*, Physica-Verlag, Heidelberg, pp. 239-253.
- Dyer, G., A. Yunez-Naude, and J.E. Taylor (2001), "Effects of land degradation in a diversified economy with local staple and labour markets: a village-town CGE analysis from Mexico", in: Heerink, N., H. Van Keulen, and M. Kuiper, (Eds.), *Economic policy and sustainable land use: Recent advances in quantitative analysis for developing countries*, Physica-Verlag, Heidelberg, pp. 185-197.

- Egg, J., J.J. Gabas, B. Ki-Zerbo, and V. Ancey (1997), "La hausse des prix des céréales au Burkina Faso dans le contexte régional: ampleur et analyse" (version provisoire), Club du Sahel/CILSS, Réunion du Réseau de Prévention des Crises Alimentaires au Sahel, 27-28 Nov. 1997, OCDE, Paris.
- Eisenhardt, K.M. (1989), "Agency theory: an assessment and review", *Academy of Management Review*, vol. 14, pp. 57-74.
- Elbers, C. (1992), *Spatial disaggregation in general equilibrium models : with an application to the Nepalese economy*, Ph.D. Thesis, VU-Amsterdam, The Netherlands.
- Ellsworth, L. and K. Shapiro (1989), "Seasonality in Burkina Faso grain marketing: Farmer strategies and government policy", in: Sahn, E. (Ed.), *Seasonal variability in Third World Agriculture: the consequences for food security*, Johns Hopkins University Press, Baltimore.
- Enke, S. (1951), "Equilibrium among spatially separated markets: solution by electric analogue", *Econometrica*, vol. 19, pp. 40-47.
- Fan, S., P. Hazell, and S. Thorat (2000), "Government spending, growth and poverty in rural India", *American Journal of Agricultural Economics*, vol. 82, pp. 1038-1051.
- Friedman, M. (1953), "The methodology of positive economics", in: *Essays in positive economics*, University of Chicago Press, Chicago, pp. 3-43.
- Furubotn, E.G., and R. Richter (1991), "The new institutional economics: an assessment", in: Furubotn, E.G., and R. Richter, *The new institutional economics*, Texas A&M Press, College Station, Texas, pp. 1-32.
- Gérard, F., J.M. Boussard, D. Deybe (1995), "MATA: un outil d'analyse multi-niveaux pour le secteur agricole", in: *Comportement micro-économique et réformes macro-économiques dans les pays en voie de développement*, Collection Actualité Scientifique, Aupelf-Uref, Paris, pp. 347-364.
- Ginsburgh, V. and M. Keyzer (1997), *The structure of applied general equilibrium models*, The MIT Press, Cambridge, Massachusetts.
- Gunning, J.W. and M.A. Keyzer (1995), "Applied general equilibrium models for policy analysis", in: Behrman, J. and T.N. Srinivasan (Eds.), *Handbook of development economics; Vol. 3a*, Elsevier Science, Amsterdam, The Netherlands.

- Güvenen, O., W. Labys, and J.B. Lesourd (Eds.) (1990), *International commodity market models : advances in methodology and applications*, International studies in economic modelling, No. 7, Chapman and Hall, London.
- Hart, O. (1995), *Firms, contracts, and financial structure*, Clarendon Press, Oxford.
- Hazell, P. and R.D. Norton (1986), *Mathematical programming for economic analysis in agriculture*, IFPRI/University of New Mexico, McMillan Publishing Company, New York.
- Hodgson, G.M. (1993), *Economics and institutions*, Polity Press, Cambridge.
- Hodgson, G.M. (1998), "The approach of institutional economics", *Journal of Economic Literature*, vol. 36, pp.166-192.
- Holloway, G.J. (1991), "The farm-retail price spread in an imperfectly competitive food industry", *American Journal of Agricultural Economics*, vol. 73, pp. 979-989.
- INSD (1995a), *Analyse des resultats de l'enquete démographique 1991*, Direction de la Démographie, Ouagadougou, Burkina Faso.
- INSD (1995b), *Annuaire statistique du Burkina Faso: 1994*, Direction des Statistiques Generales, Ouagadougou, Burkina Faso.
- INSD (1996a), *Le profil de pauvreté au Burkina Faso; première édition; Etude Statistique Nationale*, Programme "Dimensions Sociales de l'Ajustement", Ministère de l'Economie des Finances et du Plan, Ouagadougou, Burkina Faso.
- INSD (1996b), *Analyse des résultats de l'enquête prioritaire sur les conditions de vie des ménages*, Ministère de l'Economie des Finances et du Plan, Direction des Statistiques Generales, Ouagadougou, Burkina Faso.
- INSD (1998), *Population résidente des départements, communes, arrondissements et provinces. Recensement général de la population et de l'habitation du Burkina Faso (du 10 au 20 Décembre 1996). Résultats Définitifs*, Ouagadougou, Burkina Faso.
- Janvry, A. de, M. Fafchamps, and E. Sadoulet (1991), "Peasant household behaviour with missing markets: some paradoxes explained", *The Economic Journal*, vol 101, pp 1400-1417.
- Jordan, J.S. and R. Radner (1982), "Rational expectations in micro-economic models: an overview", *Journal of Economic Theory*, vol. 26, pp. 201-223.

- Jorgenson, D.W. (1984), "Econometric methods for applied general equilibrium modelling", in: H.E. Scarf and J.B. Shoven (Eds.), *Applied General Equilibrium Analysis*, Cambridge, Cambridge University Press.
- Judge, G.G. and T. Takayama (1973). *Studies in economic planning over space and time*, Contributions to Economic Analysis, No. 82, North-Holland Publishing Company, Amsterdam, The Netherlands.
- Kasnakoglu, H. and S. Bauer (1989), "Concept and application of an agricultural sector model for policy analysis in Turkey", in: Bauer, S. and W. Henrichsmeyer (Eds.), *Agricultural sector modelling: Proceedings of the 16th symposium of the EAAE, Bonn*, Wissenschaftsverlag Vauk, Kiel.
- Kawaguchi, T., N. Suzuki, and H.M. Kaiser (1997), "A spatial equilibrium model for imperfectly competitive milk markets", *American Journal of Agricultural Economics*, vol. 79, pp. 851-859.
- Kirzner, I.M. (1973), *Competition and entrepreneurship*, University of Chicago Press, Chicago.
- Ki-Zerbo, B. (1997), "La Hausse des céréales au Burkina Faso: Constat et analyse des changements institutionnels", Club du Sahel/CILSS, Réunion du Réseau de Prévention des Crises Alimentaires au Sahel, 27-28 Nov. 1997, OCDE, Paris.
- Ki-Zerbo, B. and V. Ancey (1997), "Consommation alimentaire urbaine et hausse des prix au Burkina Faso", Club du Sahel/CILSS, Réunion du Réseau de Prévention des Crises Alimentaires au Sahel, 27-28 Nov. 1997, OCDE, Paris.
- Klaasse Bos, A., C. Lutz, and B. Bassolet (1999), "Food grain marketing in Burkina Faso since 1970: the challenge of food security", in: Van der Laan, H.L., T. Dijkstra, and A. Van Tilburg (Eds.), *Agricultural marketing in tropical Africa*, African Studies Centre Leiden, Research Series 15/1999, The Netherlands.
- Koopmans, T. (1957), *Three essays on the state of economic science*, McGraw Hill, New York.
- Kutcher, G., and P.L. Scandizzo (1981), *The agricultural economy of Northeast Brazil*, World Bank Research Publication, Johns Hopkins University Press, Baltimore.

- Kuyvenhoven, A., H.A.J. Moll, and A. Van Tilburg (2000), "Agricultural markets beyond liberalization: issues, analysis and findings", in: Van Tilburg, A., H.A.J. Moll, and A. Kuyvenhoven (Eds.), *Agricultural markets beyond liberalization*, Kluwer Academic Press, Dordrecht, The Netherlands.
- Llabrés, J.P. (1999), *Mission d'évaluation du dispositif de pilotage de la politique céréalière et de la sécurité alimentaire; Partie: Audit agro-économique*, 10 octobre 1999, 2AC, Associés Audit et Conseil, Burkina Faso.
- Labys, W.C., T. Takayama, and N.D. Uri (Eds.) (1989), *Quantitative methods for market-oriented economic analysis over space and time*, Aldershot, Avebury, UK.
- Laclavère, G. (1993), *Atlas du Burkina Faso*, Les éditions, j.a., Paris, France.
- Landa, J.T. (1997), *Trust, ethnicity, and identity: Beyond the new institutional economics of ethnic trading networks, contract law, and gift exchange*, University of Michigan Press, Michigan.
- Lang, M.G. (1985), *Crop and livestock marketing patterns in Burkina Faso*.
- Lang, M.G., R.P. Cantrell, and J.H. Sanders (1983), "Identifying farm level constraints and evaluating new technology in Uper Volta", Paper presented at the Farming Systems Research symposium, Kansas State University, SAFGRAD/FSU, Kansas.
- Levinthal, D. (1988), "A survey of agency models of organization", *Journal of Economic Behavior and Organization*, vol.9, pp.153-185.
- Lin, J.Y., and J.B. Nugent (1995), "Institutions and economic development", in: Behrman, J. and T.N. Srinivasan (Eds.) *Handbook of development economics; Vol. 3a*, Elsevier Science, Amsterdam, The Netherlands.
- Lutz, C. (1994), *The functioning of the maize market in Benin: spatial and temporal arbitrage on the market of a staple food crop*, Ph.D.Thesis, University of Amsterdam, The Netherlands.
- Maatman, A., C. Schweigman, and A. Ruijs (1996), "Synopsis of a linear programming study of farmers' strategies on the Central Plateau in Burkina Faso", CDS-Research Report, No.2, University of Groningen, The Netherlands.
- Maatman, A. (2000), *Si le fleuve se tord, que le crocodile se torde; une analyse des systèmes agraires de la région Nord-Ouest du Burkina Faso B l'aide*

- des modèles de programmation linéaire*, Ph.D. Thesis, Centre for Development Studies, University of Groningen, The Netherlands.
- Mahoney, J.T. (1992), "The choice of organizational form: vertical financial ownership versus other methods of vertical integration", *Strategic Management Journal*, vol.13, pp.559-584.
- Martin, L.J. (1981), "Quadratic single and multi-commodity models of spatial equilibrium: a simplified exposition", *Canadian Journal of Agricultural Economics*, vol.29, pp.21-48.
- McCorkle, C.M. (1987), *Fierté, préférence et pratique: décisions des cultivateurs concernant l'écoulement des céréales dans une communauté Burkinabé; La Dynamique de la Commercialisation des Céréales au Burkina Faso, Tome III*, Document de travail no. 1, CRED, University of Michigan, IAP, University of Wisconsin.
- McMillan, J. and C. Woodruff (1999), "Interfirm relationships and informal credit in Vietnam", *Quarterly Journal of Economics*, vol.114, pp.1285-1320.
- Merdaoui, F. (1995), "Importations et marchés céréaliers Sahéliens: le Burkina Faso", Notes et Documents URPA, No. 52, CIRAD-GERDAT, Paris, France.
- Ministry of Agriculture and Animal Resources (1984-1999), *Résultats de l'enquête permanente agricole*, Année 1984; Année 1985; Année 1986; Année 1987; Année 1988; Année 1989; Campagne 1990-1991; Campagne 1991-1992; Campagne 1992-1993; Campagne 1993-1994; Campagne 1994-1995; Campagne 1995-1996; Campagne 1996-1997; Campagne 1997-1998, Direction des Statistiques Agro-Pastorales, Burkina Faso.
- Morrison, M.C. and M.S. Morgan, (1999), "Models as mediating instruments", in: Morgan, M.S. and M.C. Morrison (Eds.), *Models as mediators*, Cambridge University Press, Cambridge.
- Muth, J.R. (1961), "Rational expectations and the theory of price movements", *Econometrica*, vol. 24, pp. 315-335.
- Nabli, M.K. and J.G. Nugent (1989), "The New Institutional Economics and Economic Development: an introduction", in Nabli, M.K. and J.G. Nugent (Eds.), *The new institutional economics and development: Theory and applications to Tunisia*, North-Holland, Amsterdam, The Netherlands.

- Nerlove, M. (1958), "Adaptive expectations and cobweb phenomena", *Quarterly Journal of Economics*, vol. 73, pp. 227-240.
- Newbery, D.M.G. and J.E. Stiglitz (1981), *The theory of commodity price stabilization: a study in the economics of risk*, Oxford University Press, Oxford.
- Nooteboom, B. (1998), "Governance of transactions: a strategic process model", in: Nielsen, K. and B. Johnson (Eds.), *Institutions and economic change*, Edward Elgar, Cheltenham, UK, pp. 172-200.
- North, D.C. (1989), "Institutions and economic growth: An historical introduction", *World Development*, vol.17, pp.1319-1322.
- North, D.C. (1991), "Institutions", *Journal of Economic Perspectives*, vol. 5, pp. 97-112.
- North, D.C. (1994), "Economic performance through time", *American Economic Review*, vol. 84, pp.359-368.
- North, D.C. and J.J. Wallis (1994), "Integrating institutional change and technical change in economic history: A transaction cost approach", *Journal of Institutional and Theoretical Economics*, vol. 150, pp. 609-624.
- Norton, R. and L.M. Solis (1983), *The book of CHAC: programming studies for Mexican agriculture*, World Bank, Baltimore.
- Pardy, C.R. (1987). *Comportement relatif aux ventes de céréales dans les familles d'exploitations de quatre villages du Burkina Faso; La Dynamique de la Commercialisation des céréales au Burkina Faso. Tome III, Doc. de travail 4*, CRED, University of Michigan, IAP, University of Wisconsin.
- Paris, Q. and G.C. Rausser, G.C (1973), "Sufficient conditions for aggregation of linear programming models", *American Journal of Agricultural Economics*, vol.65, pp. 659-666.
- Persson, A. and M. Munasinghe (1995), "Natural resource management and economywide policies in Costa Rica: A computable general equilibrium modeling approach", *The World Bank Economic Review*, vol.9, pp.259-285.
- Pesaran, J.H. (1987), *The limits to rational expectations*, Basil Blackwell Inc., New York.
- Pieroni, O. (1990), *Le paysan, le sorgho et l'argent*, CILSS, Assistance Technique, Ouagadougou, Burkina Faso.

- Radner, R. (1982), "Equilibrium under uncertainty", in Arrow, K.J. and M.D. Intriligator (Eds.), *Handbook of mathematical economics, Vol. II*, North-Holland Publishing Company, Amsterdam, The Netherlands.
- Reardon, T., C. Delgado, and P. Matlon P (1987), "Farmer marketing behaviour and the composition of cereals consumption in Burkina Faso", Paper presented for the IFPRI/ISRA conference: "Dynamics of cereals consumption and production patterns in West Africa", Dakar, Senegal.
- Reardon, T., P. Matlon, and C. Delgado (1988a), "Coping with household level food insecurity in drought-affected areas of Burkina Faso", *World Development*, vol. 16, pp. 1065-1074.
- Reardon, T., T. Thiombiano, and C. Delgado (1988b), "La substitution des céréales locales par les céréales importées: la consommation alimentaire des ménages à Ouagadougou Burkina Faso", *CEDRES-Etudes*, no 2, June 1988, Université de Ouagadougou, IFPRI, CEDRES, Burkina Faso.
- Reardon, T. and P. Matlon (1989), "Seasonal food insecurity and vulnerability in drought- affected regions of Burkina Faso", in: Sahn D.E. (Ed.), *Seasonal variability in Third World agriculture: the consequences for food security*, Johns Hopkins University Press, Baltimore.
- Reardon, T., C. Delgado, and P. Matlon (1992), "Determinants and effects of income diversification amongst farm households in Burkina Faso", *Journal of Development Studies*, vol. 28, pp 264-296.
- Roehner, B.M. (1995), *Theory of markets; Trade and space-time patterns of price fluctuations. A study in analytical economics*, Springer-Verlag, Berlin, Germany.
- Roth, M. (1986), *Economic evaluation of agricultural pricing policy in Burkina Faso: a sectoral modelling approach*, Ph.D. Thesis, Department of Agricultural Economics, Purdue University, West Lafayette, Indiana.
- Ruijs, A., C. Schweigman, C. Lutz, and G. Sirpé (2001), "Cereal trade in developing countries: stochastic spatial equilibrium models", *SOM Research Report, no. 00c59*, University of Groningen, The Netherlands.
- Sadoulet, E. and A. De Janvry (1995), *Quantitative development policy analysis*, Johns Hopkins University Press, Baltimore.
- Sahn, D.E., P. Dorosh, and S. Younger (1997), *Structural adjustment reconsidered: economic policy and poverty in Africa*, Cambridge University Press, Cambridge.

- Sandwidi, N. (1996), *Description et évaluation du système de commercialisation des céréales de base au Burkina Faso: le cas du mil, du sorgho blanc et du maïs blanc*, Programme Sahel Burkinabé, PSB/Pays-Bas, Gorom-Gorom, Burkina Faso.
- Samuelson, P.A. (1952), "Spatial price Equilibrium and Linear Programming", *American Economic Review*, vol. 42, pp. 283-303.
- Saul, M. (1986), "Development of the grain market and merchants in Burkina Faso", *Journal of Modern African Studies*, vol. 24, pp. 125-153.
- Saul, M. (1987), *Une analyse anthropologique économique de la commercialisation des céréales au Burkina Faso; La Dynamique de la Commercialisation des Céréales au Burkina Faso; Tome IV; Doc. de travail 5*, CRED, University of Michigan, IAP, University of Wisconsin.
- Schweigman, C. (1994), "Mathematical modelling and development related research", in: Harts-Broekhuis, A. and O. Verkoren (Eds.), *No easy way out: essays on third world development in honour of Jan Hinderink*, Nederlandse Geografische Studies, No. 186, pp. 114-119, The Netherlands.
- Sherman, J.R., K.H. Shapiro, and E. Gilbert (1987), *An economic analysis of grain marketing; The Dynamics of Grain Marketing in Burkina Faso, Volume I*, CRED, University of Michigan, IAP, University of Wisconsin.
- Shoven, J.B. and J. Whalley (1992), *Applying general equilibrium*, Cambridge Surveys of Economic Literature, Cambridge University Press, New York.
- Simon, H.A. (1961), *Administrative behaviour*, 2nd ed., Macmillan, New York.
- Sirpé, G. (2000), *Transport routier et écoulement des produits agricoles: une analyse économique de l'influence des transports sur les mouvements interrégionaux de céréales au Burkina Faso*, Faculté des Sciences Economiques, Université de Ouagadougou, Burkina Faso.
- Steffen, P.N. (1995), *The roles and limits of the grain market in assuring household food security in Northeastern Mali: implications for public policy*, Ph.D. Thesis, Dept. of Agricultural Economics, Michigan State University.
- Stern, L.W., A.I. El-Ansary, and A.T. Coughlan (1996), *Marketing channels*, 5th ed., Prentice Hall International Ltd., London.
- Szarleta, E.J. (1987), *Excédents commerciaux au Burkina Faso: une étude des schémas d'écoulement des céréales; La Dynamique de la Commercialisation des Céréales au Burkina Faso; Tome III; Document de*

- travail* no. 3, CRED, University of Michigan, IAP, University of Wisconsin.
- Takayama, T. and G.G. Judge (1971), *Spatial and temporal price and allocation models*, Contributions to Economic Analysis, No. 73. North-Holland Publishing Company, Amsterdam, The Netherlands.
- Thiombiano, T., S. Soulama, and C. Wetta (1988), "Systèmes alimentaires du Burkina Faso", *CEDRES-Etudes*, no. 1, Résultats de Recherche CEDRES, Ouagadougou, Burkina Faso.
- Thissen, M. (2000), *Building financial CGE models: data, parameters, and the role of expectations*, Ph.D. Thesis, SOM, University of Groningen, The Netherlands.
- Thorbecke, E. (2000), "Agricultural markets beyond liberalization: the role of the state", in: Van Tilburg, A., H.A.J. Moll, and A. Kuyvenhoven (Eds.), *Agricultural markets beyond liberalization*, Kluwer Academic Press, The Netherlands.
- Van den Bergh, J.C.J.M., P. Nijkamp, and P. Rietveld (1996), "Spatial equilibrium models: A survey with special emphasis on transportation", in: Van den Bergh, J.C.J.M., P. Nijkamp, and P. Rietveld (Eds.) (1996), *Recent advances in spatial equilibrium modelling: methodology and applications*, Springer, Berlin, Germany.
- Van Dijk, G. (1997), *Sterft, Gy oude vormen?: Cooperatief ondernemerschap op de drempel van de 21e eeuw*, Nijenrode University Press, The Netherlands.
- Varian, H.R. (1992), *Microeconomic analysis*, 3rd ed., W.W. Norton & Company, New York.
- Williams, J.C. and B.D. Wright (1991), *Storage and commodity markets*, Cambridge University Press, Cambridge.
- Williamson, O.E. (1985), *The economic institutions of capitalism: firms, markets, relational contracting*, The Free Press, New York.
- Williamson, O.E. (1989), "Transaction cost economics", in Schmalensee, R., and R.D. Willig (Eds.), *Handbook of industrial organization, Vol.I*, Elsevier Science Publishers, Amsterdam, The Netherlands.
- Williamson, O.E. (1998), "Transaction cost economics: How it works, where it is headed", *De Economist*, vol. 146, pp.23-58.

- Williamson, O.E. (2000), "The new institutional economics: taking stock, looking ahead", *Journal of Economic Literature*, vol. 38, pp.595-613.
- World Bank (1994), *World development report 1994; infrastructure for development*, World Bank, Washington D.C..
- World Bank (2000a), *World development indicators 2000; CD-ROM*, World Bank, Washington D.C..
- World Bank (2000b), *Can africa claim the 21st centry*, World Bank, Washington D.C..
- Yonli, E.P. (1988), *Marchés et prix dans l'approvisionnement du Plateau Mossi en sorgho et en mil*, Projet CEDRES/AGRISK, Université de Ouagadougou, Rijksuniversiteit Groningen, The Netherlands.
- Yonli, E.P. (1997), *Stratégies paysannes en matière de sécurité alimentaire et de commercialisation céréalière: le rôle des banques de céréales dans le Nord du Plateau Central du Burkina Faso*, Ph.D. Thesis, Centre for Development Studies, University of Groningen, The Netherlands.
- Zeller, M., G. Schrieder, J. Von Braun, and F. Heidhuess (1997), "Rural finance for food security for the poor: Implications for research and policy", *Food Policy Review*, vol. 4, IFPRI, Washington.